

REMARKS

Claims 18-23 pending in the application stand rejected under 35 U.S.C. § 112, first paragraph, as failing to comply with the written description requirement.

In particular, the Examiner contended that the specification fails to provide support for the claimed feature of:

“performing perturbation control so that each period to temporarily change reactance of each of the plurality of variable reactance units is shorter than a period in which the perturbation control is not performed for any of the plurality of variable reactance units,” as recited in base claims 18 and 21.
(Emphasis added)

Applicants refer the Examiner to Fig. 13 and its corresponding description in the specification for an exemplary embodiment of and support for the claimed invention.

As shown in Fig. 13,

“[a] perturbation of a variable reactance value is performed on the antenna elements #1 through #6 in the first six samples. In the last two samples, the variable reactance is not perturbed on any element.” Page 28, lines 2-8 of the specification.

In other words, perturbation is performed on each antenna element in one sample (#1 through #6 in six samples), and perturbation is not performed on any element in two samples. Thus, the specification meets the written description requirement for the objected-to feature of the claimed invention.

Accordingly, Applicants respectfully request that the Examiner withdraw the § 112, ¶ 1 rejection.

In view of the remarks set forth above, this application is in condition for allowance which action is respectfully requested. However, if for any reason the Examiner should consider this application not to be in condition for allowance, the Examiner is respectfully

requested to telephone the undersigned attorney at the number listed below prior to issuing a further Action.

Any fee due with this paper may be charged to Deposit Account No. 50-1290.

Respectfully submitted,

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Docket No.: FUJO 20.845 (100794-00530)

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